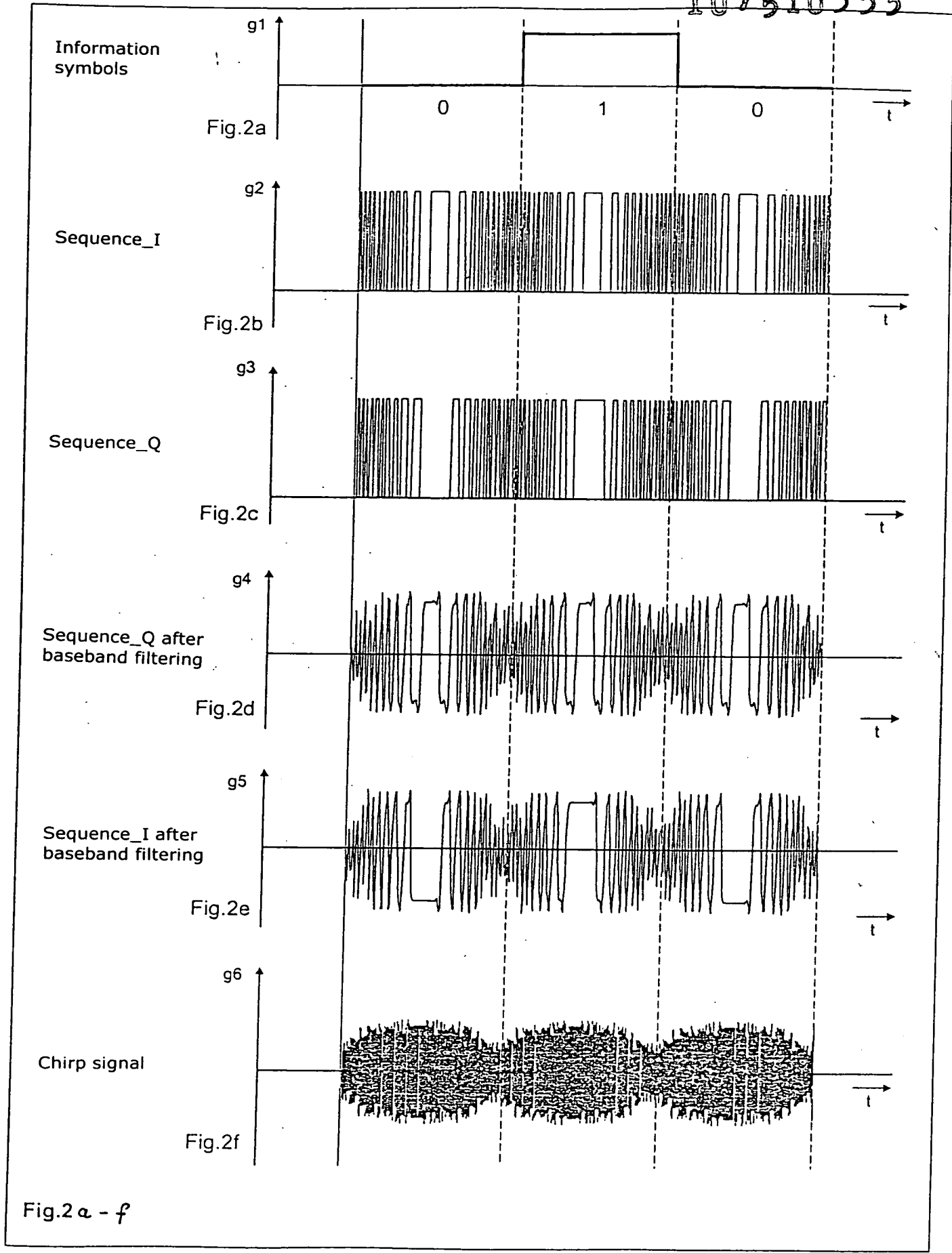


Fig. 1





MD[3]	MD[2]	MD[1]	MD[0]	IDAC	QDAC	Description
				Basic Modes		
0	0	0	0	IROM	QROM	Upchirp
0	1	0	0	IROM	-QROM	Downchirp
1	0	x	x	IROM	0	Upchirp+Downchirp
1	1	x	x	0	QROM	Upchirp-Downchirp
				QPSK Up Modes		
0	0	0	0	IROM	QROM	0
0	0	0	1	QROM	-IROM	$\pi/2$
0	0	1	0	-IROM	-QROM	π
0	0	1	1	-QROM	IROM	$3\pi/2$
				QPSK Down Modes		
0	1	0	0	IROM	-QROM	0
0	1	0	1	QROM	IROM	$\pi/2$
0	1	1	0	-IROM	QROM	π
0	1	1	1	-QROM	-IROM	$3\pi/2$

Fig. 2g

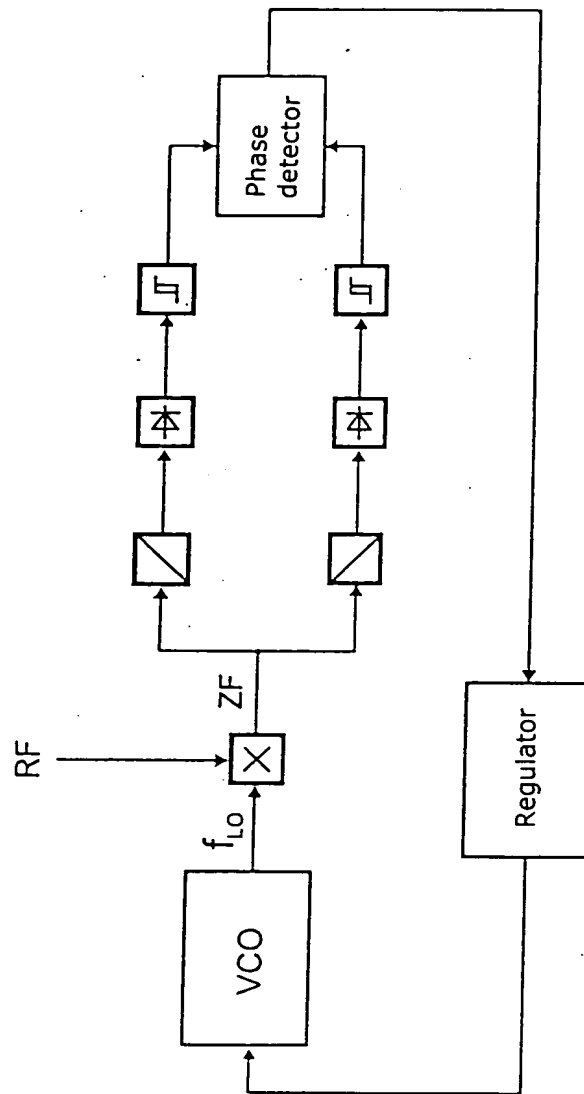


Fig. 3

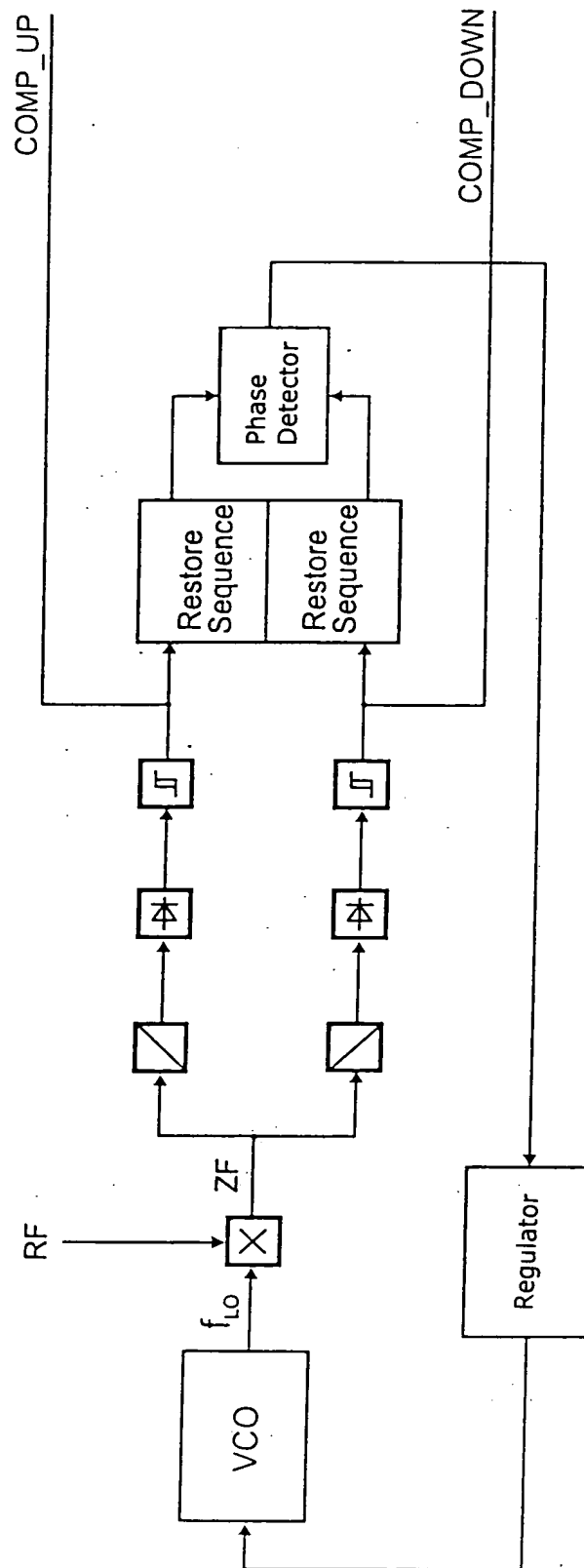


Fig. 4

10/510553

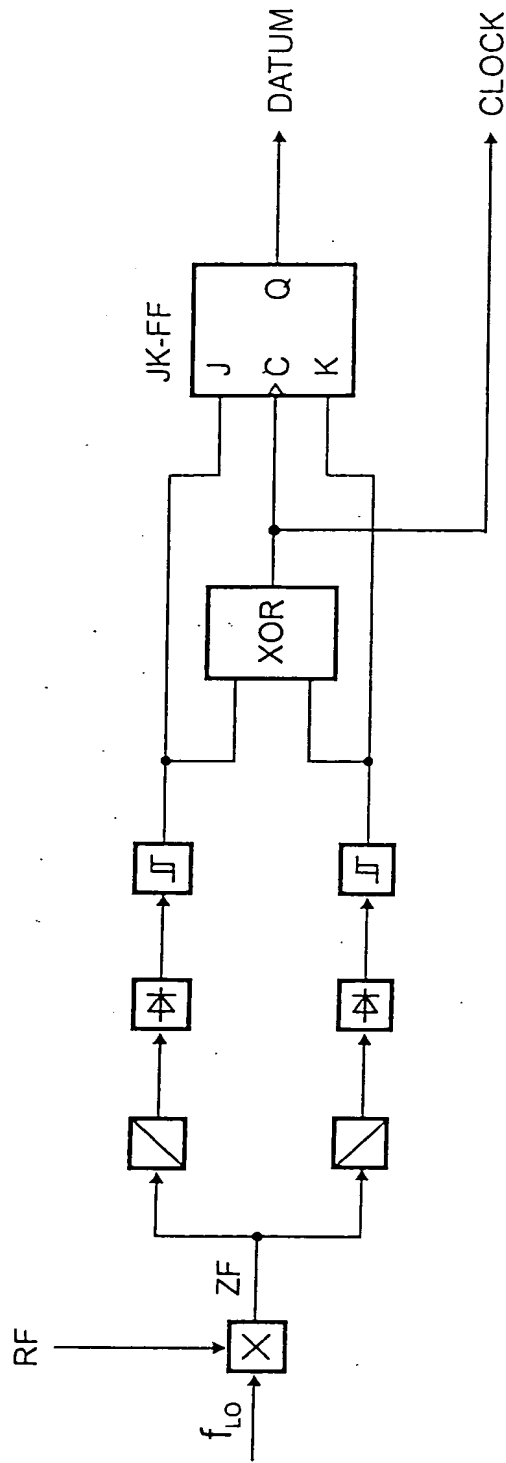


Fig. 5

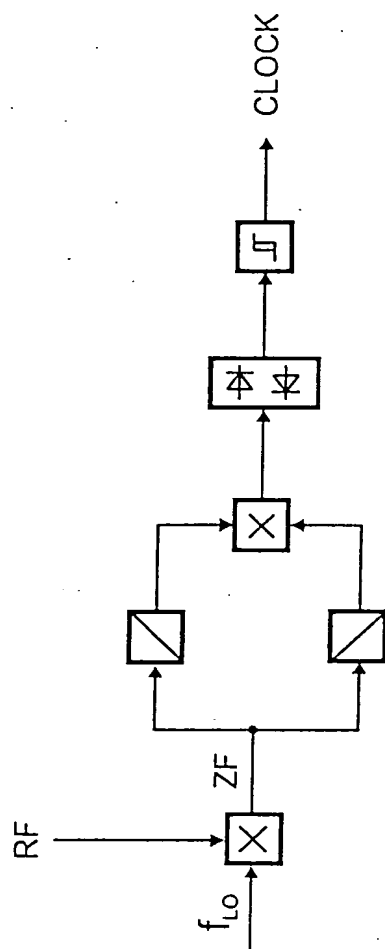


Fig. 6

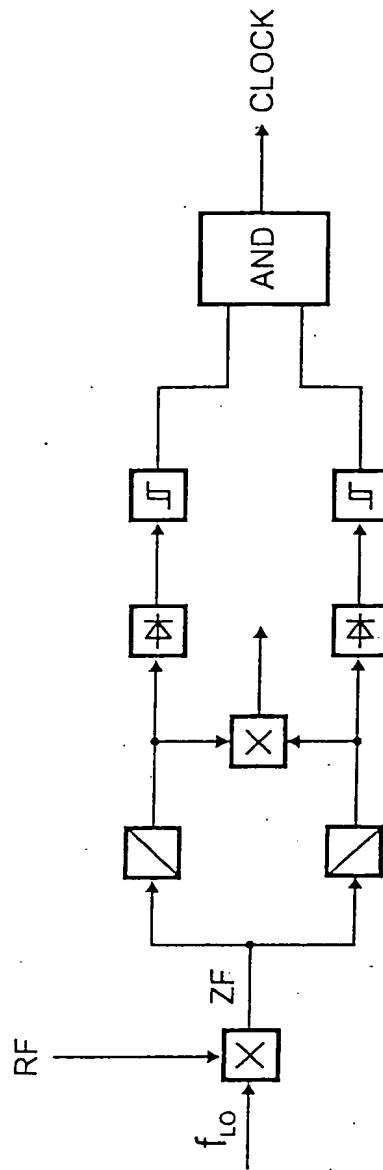


Fig. 7

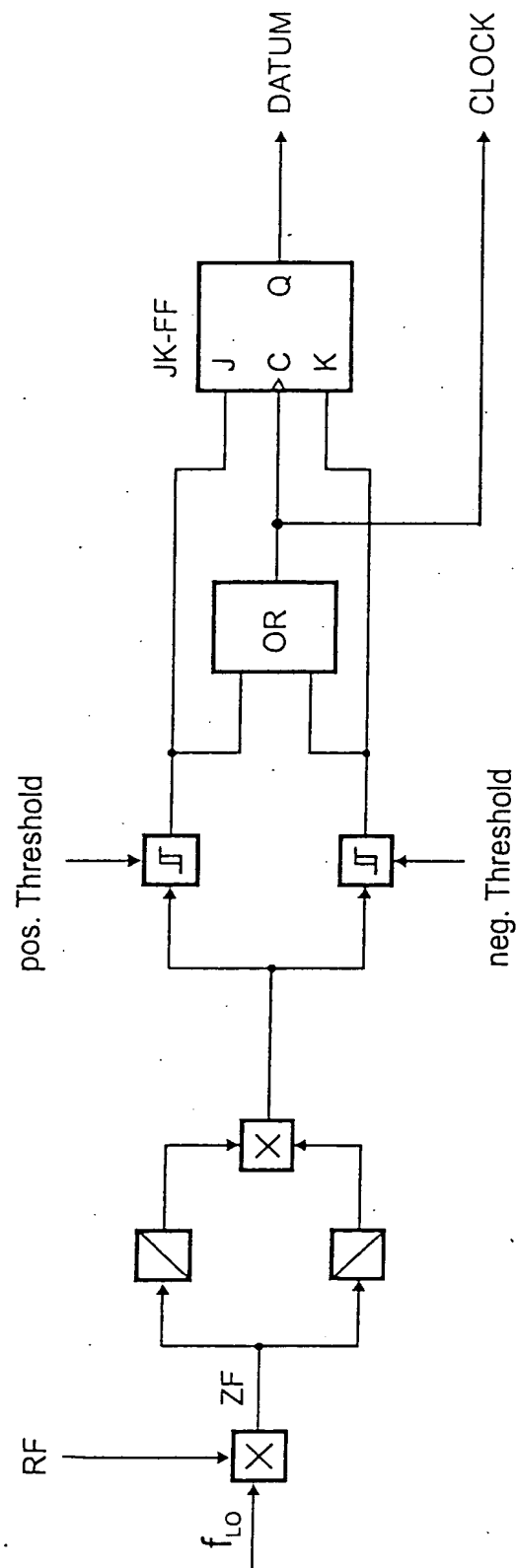


Fig. 8

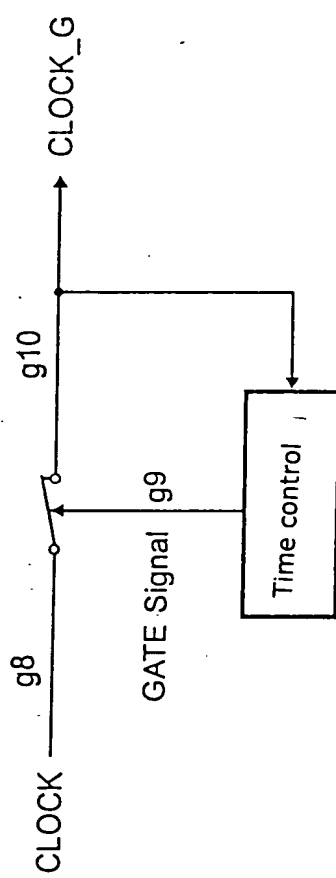


Fig. 9

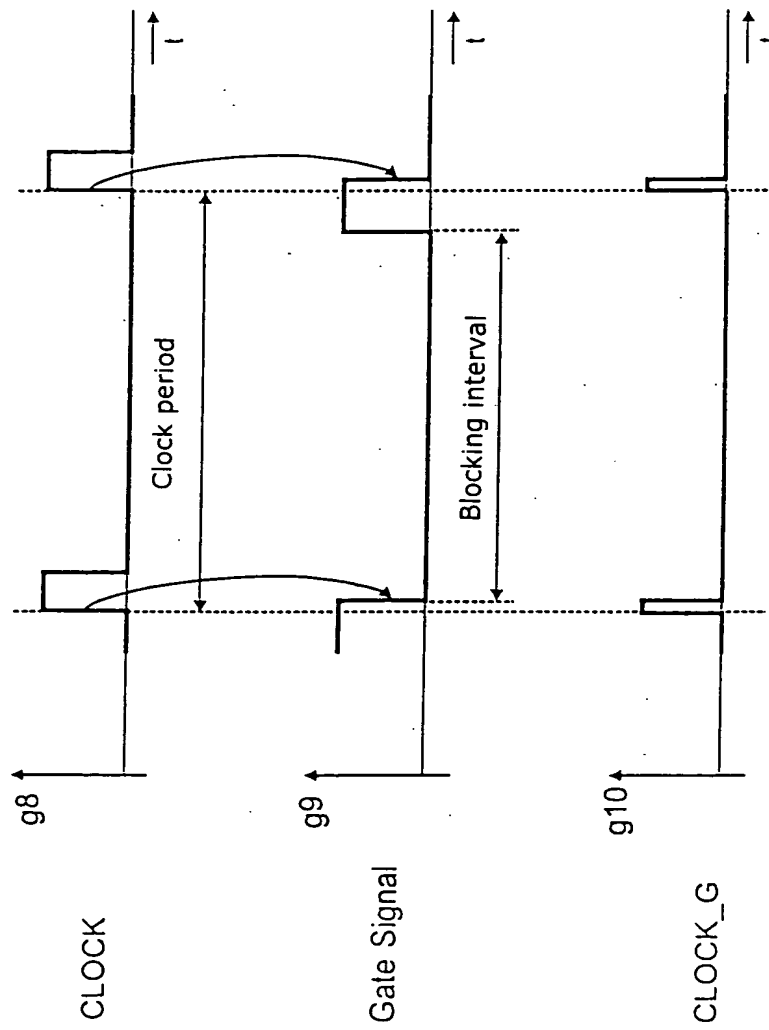


Fig. 10

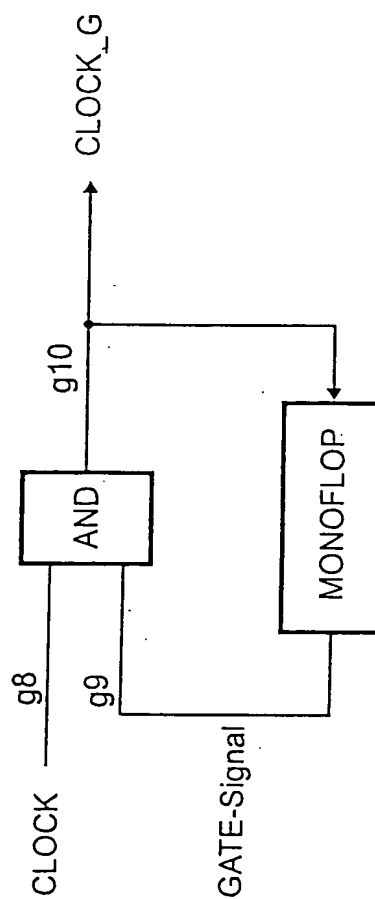


Fig. 11

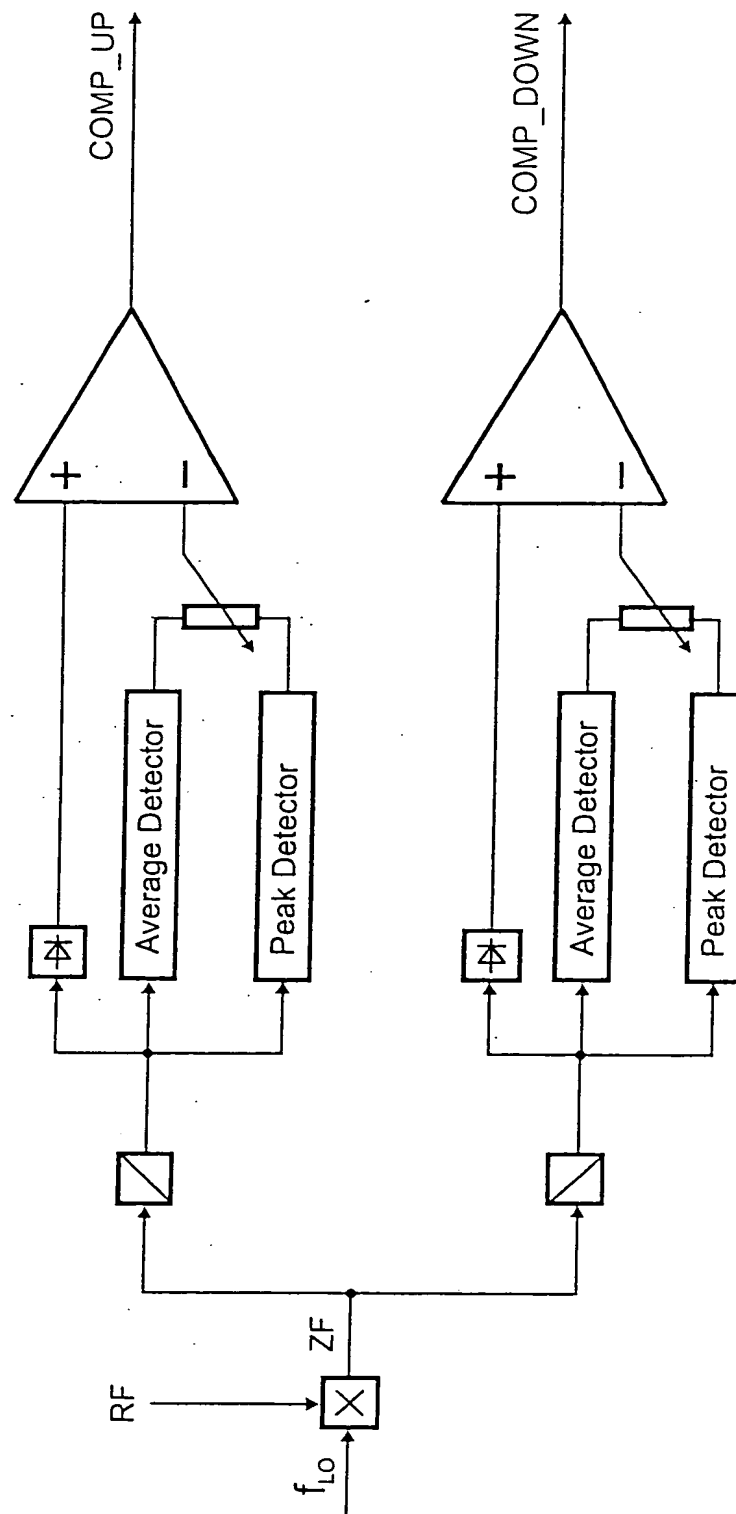


Fig. 12

10/510553

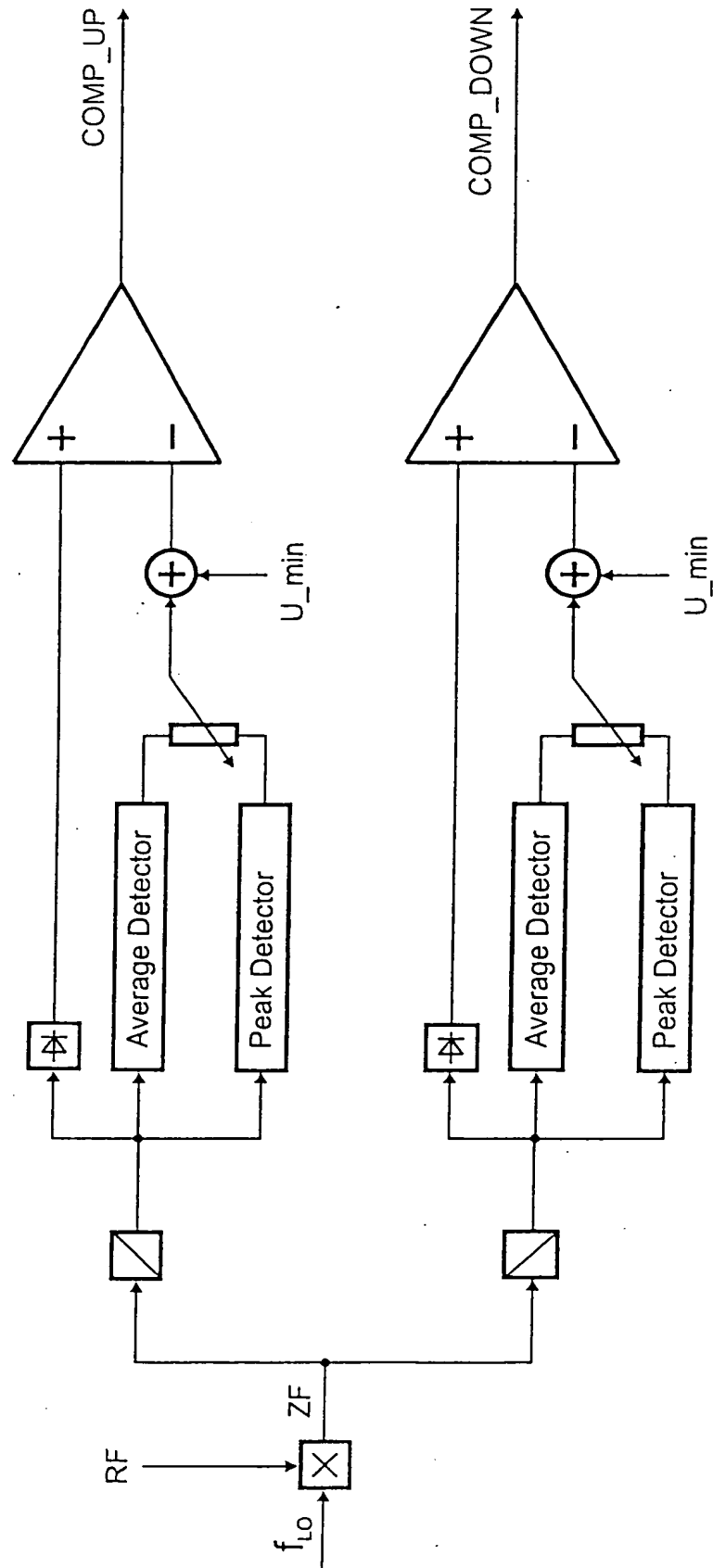


Fig. 13

10/510553

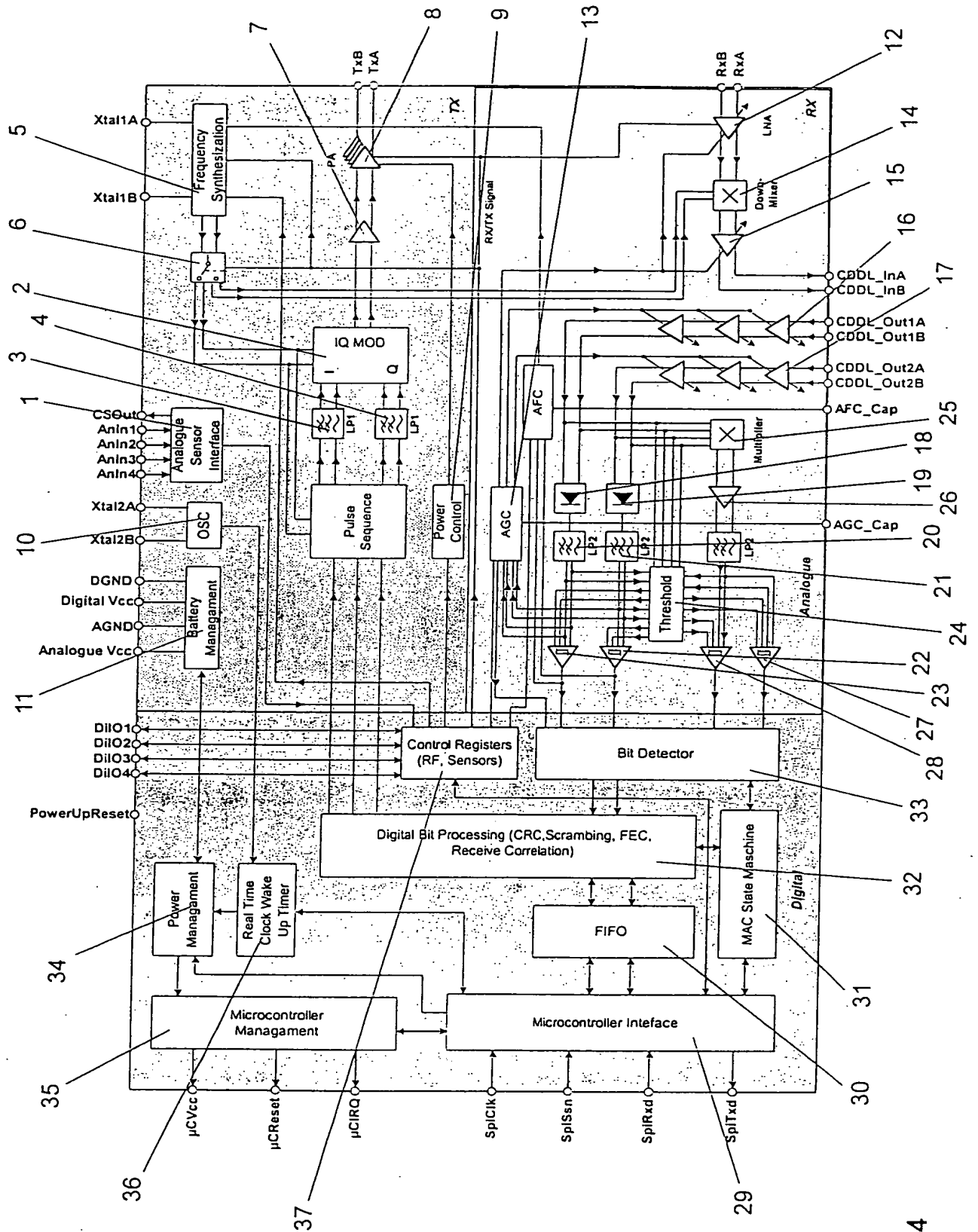


Fig. 14

BEST AVAILABLE COPY

Differential
Comparator

$A > B$ then $Out = 1$
otherwise $Out = 0$

DDDL

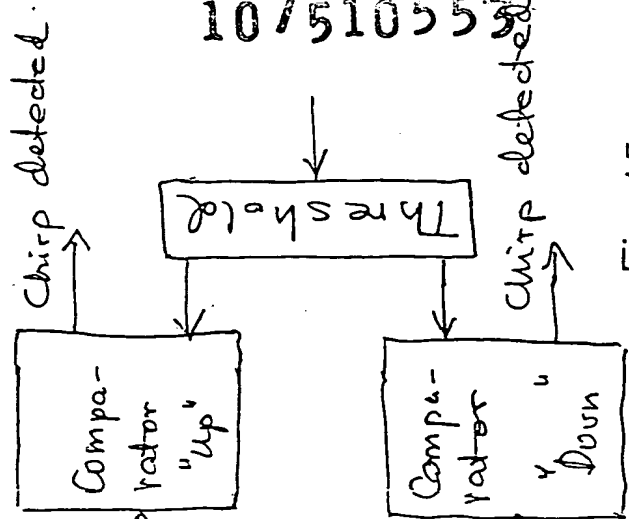
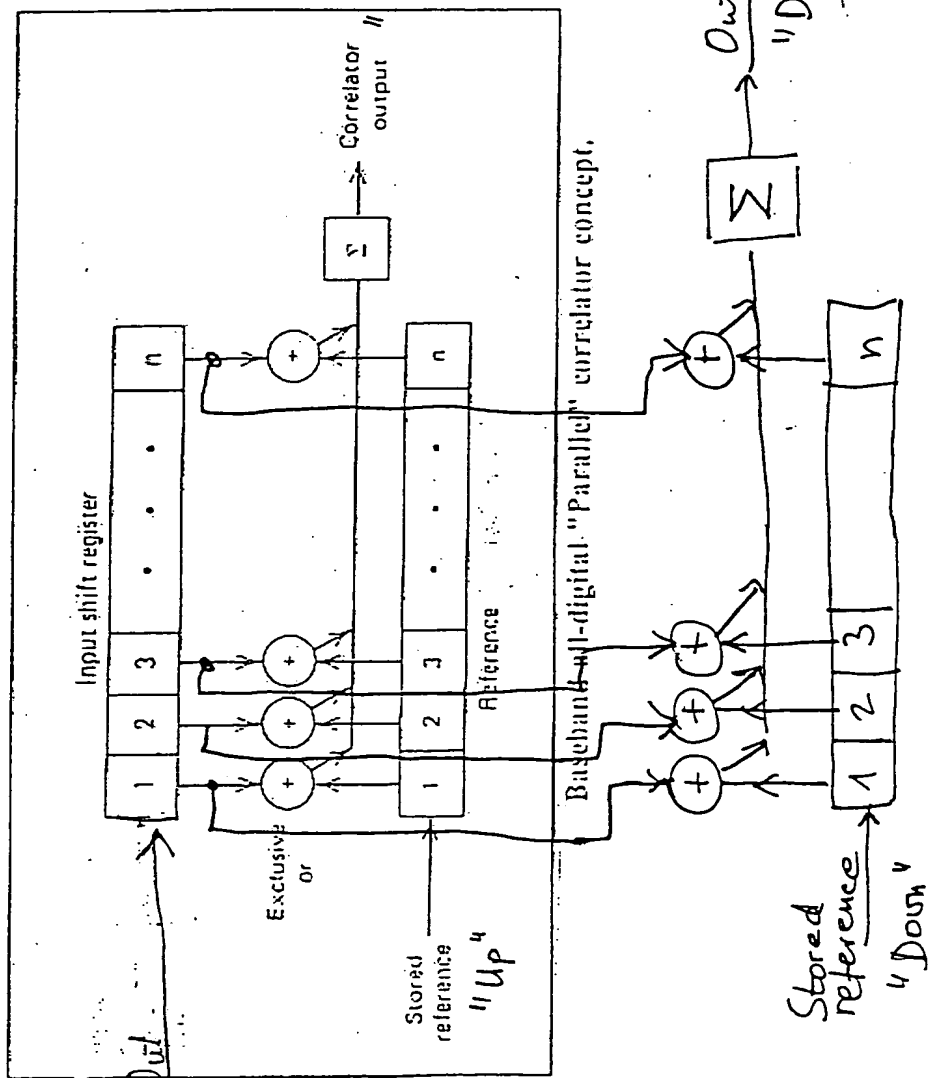
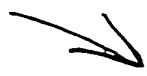


Fig. 15

10/510555

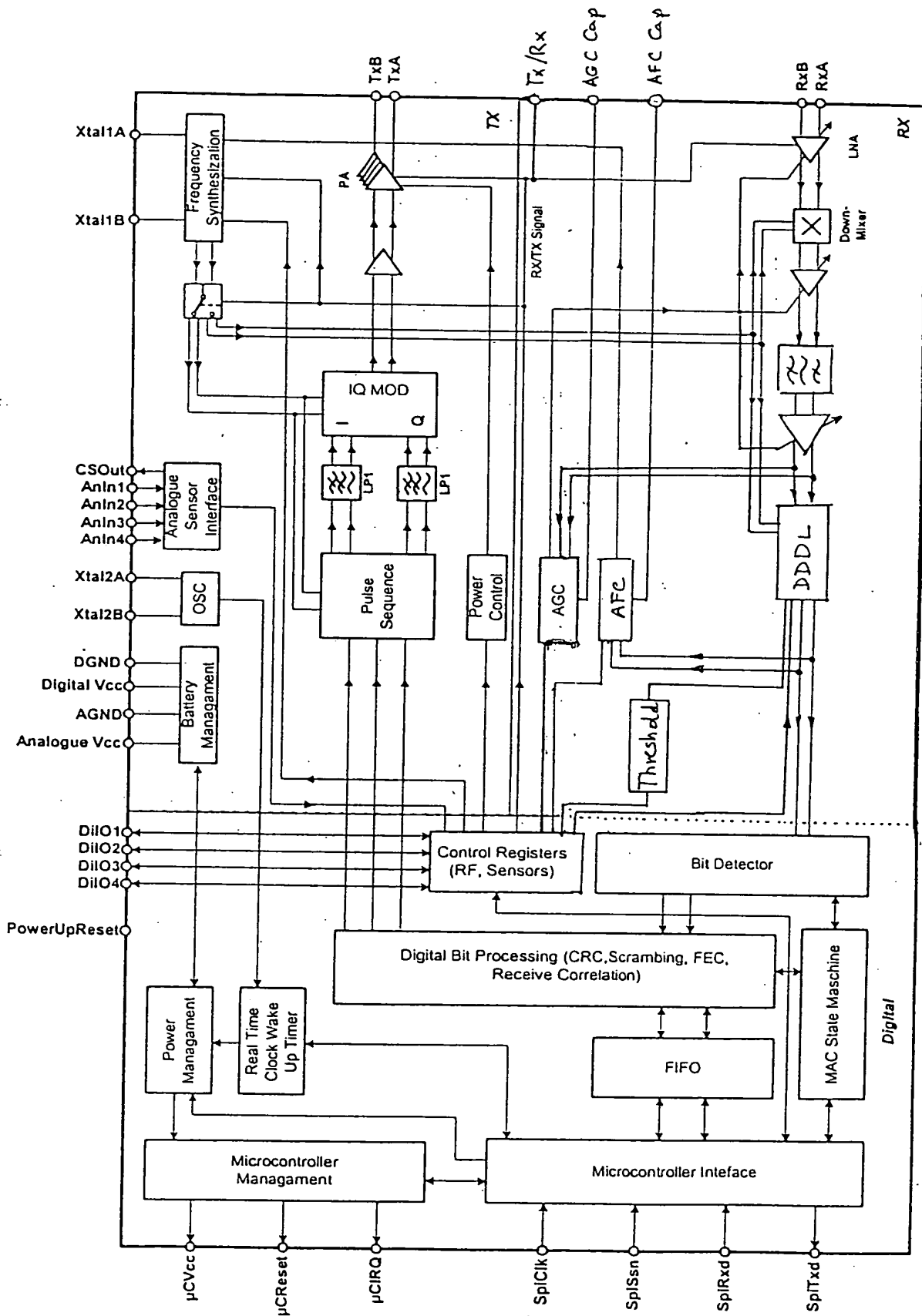


Fig. 16